Midsouth Aquatic Plant Management Society Newsletter

Volume 28 Number 2

May 2010

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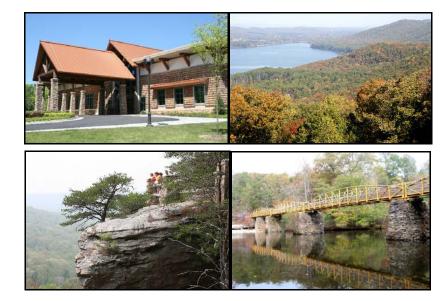
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29th Annual MidSouth Aquatic Plant Management Meeting at Lake Guntersville, State Park, Guntersville, AL October 12-14, 2010



Renovated in 2009 and once again open to the public, Lake Guntersville Resort State Park is located along the banks of the Tennessee River in NE Alabama. The park overlooks the majestic 69,000-acre Guntersville Reservoir, and ranges over more than 6,000 acres of natural woodlands. The park has an 18-hole championship golf course which should be completely renovated by the meeting date, a beach complex, fishing center, hiking trails, nature programs and a day-use area. Modern campground and lakeview cottages on the lake, coupled with a resort lodge on the pinnacle of Taylor Mountain, and chalets on the ridge-tops provide a selection of overnight accommodations beyond comparison. http://www.guntersvillestatepark.com/

The meeting program will offer exceptional presentations covering a range of water resource management topics that be very informative. The program will begin Wednesday morning and end Thursday at noon. An applicator training session will be offered again this for additional CEU's. In addition, industry exhibits will provide useful information on aquatic plant management products and services. Make plans to attend the meeting today.



MSAPMS 29th Annual Conference 2nd Call for Papers October 12-14, 2010 Lake Guntersville State Park Guntersville, Alabama

Oral presentations will be 15 minutes, including questions. Presentations are encouraged on all aspects of aquatic and wetland plant management, biology, and ecology. Presenters are requested to register for the conference.

Please e-mail the Title Form, attached below, and a brief abstract (250 words or less) by July 31, 2010:

Harry Knight Applied Biochemists 14 Valerie Lane Culman, AL 35058 Harryknight@appliedbiochemists.com

A computer and projector to handle Power Point presentations will be provided. No other presentation format will be supported. Please bring your presentation on a USB compatible flash or CD.

Title Form						
Title:		_				
		_				
Affiliation:						
Address:						
Phone:	E-mail:					

PLEASE DO NOT DELAY. MAKE PLANS TO ATTEND, PRESENT, AND PARTICIPATE IN THIS CONFERENCE. INVITE THOSE YOU ASSOCIATE WITH TO SUBMIT AN ABSTRACT AS WELL!

Editorial Guidelines

The MidSouth Aquatic Plant Management Society

Font: Times New Roman, size 12

Title: Bold, upper case. Align Left. End with period.

Author: Name follows Title, sentence case. Underline name of presenting author. Separate authors with commas. End with semicolon.

Affiliation: Sentence case. Include author's affiliation, address with zip code, e-mail address. If needed, insert semicolon and follow with second author's information. If there are three or more authors, add superscripts for clarity (for example, John Smith¹). Justify.

Body of Abstract: Leave one blank line between title/author/affiliations and the body of the abstract. No indentation; one paragraph only. Justify.

Scientific Names: For plants, animals, and microbes, etc., use the WSSA approved common name followed by the genus and species names in italics, wherever possible (for example, diquat dibromide).

Scientific Units: Use of Metric or English units are acceptable. Use of standard abbreviations is acceptable.

See example below:

LITTORAL ZONE PLANT COMMUNITIES IN THE ROSS BARNETT RESERVOIR, MS.

<u>Wersal, R.M¹</u>, J.D. Madsen¹ and M.L. Tagert²; ¹GeoResouces Institute, Mississippi State University, Box 9652 Mississippi State, MS 39762-9652, rwersal@gri.msstate.edu. ² Mississippi Water Resources Research Institute, Mississippi State University, Box 9680 Mississippi State, MS 39762-9680

The Ross Barnett Reservoir is a 33,000 acre surface water impoundment created on the Pearl River near Jackson, Mississippi. The Reservoir is the primary source of potable water for the city of Jackson. It provides recreational opportunities in the form of fishing, boating, water sports, and onshore camping and hiking. In recent years, non-native aquatic macrophytes have increased in distribution, impeding navigation, fishing, and reduced the aesthetics of waterfront properties. We conducted a whole-lake survey in June 2005 to assess the distribution and abundance of plant communities in the Reservoir to serve as a starting point for a long term management plan. In October 2006 a survey of the littoral zone (water depths of < 10 feet) was conducted based on the points sampled in 2005. A plant rake was deployed at each of 508 points visited. Species presence was mapped using handheld computers outfitted with GPS receivers, and data stored in database templates using Farm Site Mate software. A total of 21 aquatic or riparian plant species were observed growing in or along the shoreline of the littoral zone. American lotus and water primrose were the most common plant species observed in the littoral zone (17.7 % and 7.4% respectively). Non-native plants included alligatorweed (Alternanthera philoxeroides) (3.9%), waterhyacinth (Eichhornia crassipes) (2.9%), and hydrilla (Hydrilla verticillata) (0.6%). Bladderwort (Utricularia vulgaris), a native submersed aquatic plant was also observed (0.4%) for the first time. Overall, species occurrence was lower during in 2006 than in 2005.

29th Annual Meeting of the MidSouth APMS



Registration Form

Delegate/Student Information

Name:					
Affiliation:					
Address:					
City:	State:			Zip Code:	
E-mail Address:					
Phone:		Fax:			
Registration (Includes Reception, Lui	nch, Banquet, and Refreshment Breaks)				
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2010-2011 Membership Dues					
□ Student		\$	5.00		\$
Sustaining		\$	50.00		\$
2010 Meeting Sponsorship					
Platinum				\$ 1500.00	\$
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Judy Shearer	, ment to:				
Midsouth Aquatic Plant Manageme	ent Society				
PO Box 822792					
Vicksburg, MS 39182 Ph: 601-634-2516					
11. 001-05+2510					
Cancellation/Refund Policy	Cantanhan 20, 2010, Manufacture 1, 2	6	if	- Constitution time in a	in defen Castanta ac ac
Registration fees are fully refundable prior to Notice of cancellation must be received by I					ived after September 30, 20



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Aquatic Plant Management Applicator Workshop, October 12, 2010

After the great success last year, we will hold a four-hour pre-conference workshop on aquatic plant management for applicators covering integrated pest management, herbicide application methods, pesticide label restrictions, application gear, and compliance, and aquatic plant identification. The fee for this workshop will again be \$50. The workshop will be held on the afternoon of October 12, 2010. More details will be forthcoming on the webpage, with the annual meeting announcements, and in the final pre-conference newsletter. Please plan to attend!

For more information, contact Dr. John D. Madsen, Associate Professor, Mississippi State University, jmadsen@gri.msstate.edu

MidSouth Aquatic Plant Management Society Aquatic Plant Management Applicator Workshop Program, October 12, 2010 Guntersville State Park, AL

1:00. Welcome and logistics. Dr. John Madsen, Mississippi State University Extension Service, Starkville, MS.

1:15. Biological control of aquatic weeds: Integrated Pest Management. Dr. Michael Grodowitz, US Army Engineer Research and Development Center, Vicksburg, MS.

2:15. Chemical control of aquatic weeds. Dr. Chris Mudge, US Army Engineer Research and Development Center, Vicksburg, MS.

3:15. Break

3:30. Federal and state pesticide label restrictions, personal protective gear, and compliance. Mr. Carlton Layne, Aquatic Ecosystem Restoration Foundation.

4:30. Precision herbicide application equipment guidelines and usage for aquatic plant management. Mr. Wade Givens, Mississippi State University Extension Service, Starkville, MS.

5:00. Major aquatic weed problems in the MidSouth: Identification and specific recommendations for management.

Dr. John Madsen, Mississippi State University Extension Service, Starkville, MS.

6:00. Workshop Ends.

MSAPMS Board of Directors will hold their next board meeting at Lake Guntersville State Park on October 12, 2010.

2010 MidSouth Aquatic Plant Management Society Scholarship Opportunity

The MSAPMS is seeking applications for the 2010 graduate student scholarship to be awarded at the 29th annual meeting at a place to be determined. One scholarship of \$2,000 will be awarded to a qualified student applicant.

To apply, The Scholarship Committee should receive the following information on or before June 1, 2010:

1. A cover letter which includes the applicant's previous, current, and future relationship to the aquatic plant management industry, and a comment on the importance of their proposed research to aquatic plant management.

2. Copies of official transcripts of undergraduate and any graduate work completed to date (these transcripts may be those issued directly to the student by the institution);

3. A letter from the student's major professor recommending the student for the scholarship, indicating that the student is currently enrolled and in good standing and has had their research proposal approved by their graduate advisory committee;

4. A copy of the approved research proposal; and

5. Two letters of recommendation (other than the major professor)

To enter an application or request more information, contact:

Dr. John D. Madsen Mississippi State University Geosystems Research Institute Box 9652 Mississippi State, MS 39762-9652 Ph. 662-325-2428 E-mail. jmadsen@gri.msstate.edu

Graduate Student Opportunity

The MidSouth Aquatic Plant Management Society invites all graduate students to attend the 29th Annual Meeting at Lake Guntersville State Park, Guntersville, AL, October 12-14, 2010. Students that contribute an oral presentation will receive free lodging, shared with another student, free conference registration, and a check for \$100. Students should contact the program chairman, Harry Knight at harryknight@appliedbiochemists.com, to enroll in this opportunity.

All students attending the conference will receive a reduced registration rate that will include society membership.

MSAPMS Scholarship Update

I received the 2006 MSAPMS Student Scholarship to aid in funding my PhD. Research. On May 12,



2010 I received final approval from my graduate committee regarding my dissertation on the ecology and management of

parrotfeather. Also, I was successful in defending my research to my committee; therefore I am done with my graduate career and am awaiting final approval from Mississippi State University.

I want to take this opportunity to thank the MSAPMS society for their generous contributions, both monetarily and professionally, to assist in the educational and professional development of graduate students. As a student, the meetings have always been a great venue to present research findings and network with future colleagues. I look forward to continuing my involvement with MSAPMS as I begin my PhD. career.

Ryan M. Wersal

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Larry Hartmann at (210) 274-3626.

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New Biocontrol Insect for Waterhyacinth

After undergoing a rigorous screening and regulatory process, a new insect has been released by United States Department of Agriculture's Agricultural Research Service to control the South American water hyacinth (*Eichhornia crassipes*) in Florida. Dr. Phil Tipping, the project's lead researcher, joined representatives from the Florida Fish and Wildlife Conservation Commission (FWC) and the U.S. Army Corps of Engineers at a May 18, 2010 event celebrating the insect's release at the Edgefield Regional Stormwater Treatment Facility owned by the St. John's River Water Management District near Palatka, Fla. FWC provided more than \$300,000 in financial support for this biological control research project.

Megamelus scutellaris is a small plant hopper native to South America whose nymphs and adults feed on the sap of waterhyacinth and their damage apparently creates a choke point between the leaf and petiole interfering with translocation between the leaf and root system. High densities of *M. scutellaris* are uncommon in its native range in Argentina, where parasitoids are abundant. However, because it is protected from its natural enemies in Florida, *M. scutellaris* population will likely increase rapidly and enable it to quickly impact waterhyacinth populations. A link to the local news article and a video interview with Dr. Tipping about the release event is below:

http://jacksonville.com/news/florida/2010-05-18/sto ry/fight-water-weeds-st-johns-researchers-bringingforeign-bugs

For more information contact:

Don C. Schmitz Research Program Manager Invasive Plant Management Section Florida Fish and Wildlife Conservation Commission 3900 Commonwealth Blvd. MS 705 Tallahassee, FL 32399 Don.schmitz@myfwc.com



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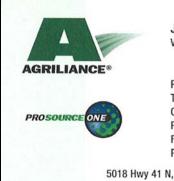
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50th Anniversary APMS Annual Meeting

This year marks the 50th Anniversary of the Aquatic Plant Management Society. Please join us at the annual meeting in July for a special celebration! The meeting will be held July 11-14, 2010, at the Hyatt Regency Coconut Point in Bonita Springs, Florida. The Program Committee is preparing an interesting, full 3-day agenda with special symposia, panel discussions and invited speakers to present the history of aquatic plant management and the APMS, a symposium on hydrilla (biology, ecology, environmental consequences of invasion, and management), and the status of NPDES legislation. As always, we will hold a graduate student paper and poster contest; our student speakers are sure to impress. The Program, Meeting Planning, and Student Affairs Committees are also hard at work preparing special social events to honor our 50th anniversary milestone with a President's Reception on Sunday evening, Poster Session on Monday evening, Banquet and Awards Ceremony on Wednesday evening with special musical guests, "The Weeds Band," and a post-conference aquatics field tour for students. You won't want to miss it!

For up-to-date meeting information, go to www.apms.org and click on "2010 Meeting." Abstract submission deadline for oral paper and poster presentations is April 16, 2010.



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Visit the MSAPMS Website: www.msapms.org The membership list can be viewed by using the following:

User Name: msapms Password: lilypad



WEEDS ACROSS BORDERS

CONGRESO MALEZAS SIN FRONTERAS MAUVAISES HERBES SANS FRONTIÈRES 2002 Tucson, Arizona, USA 2004 Minneapolis, Minnesota, USA 2006 Hermosillo, Sonora, MEXICO 2008 Banff, Alberta, CANADA 2010 Shepherdstown, West Virginia, USA

"Plant Invasions: Policies, Politics, and Practices" June 1-4, 2010 National Conservation Training Center Shepherdstown, West Virginia, USA

Weeds Across Borders is a biennial international conference covering the interests of professionals and organizations involved in weed management and regulation. It is composed of an affiliation of organizations from Canada, Mexico, and the United States with a common interest in sharing information and promoting weed management throughout North America. Because weeds do not respect human-imposed laws or boundaries, we rely on partnerships, information sharing, and cross boundary program coordination.

The conference provides a forum for educating, sharing, and disseminating knowledge about weed management, regulatory issues, and concerns regarding weed dispersal across and between jurisdictional boundaries in Canada, Mexico, and the United States.

For more information, visit the WAB 2010 website at: www.weedcenter.org/wab2010

MSAPMS May 2010 13



2010 CONFERENCE AGENDA

Monday, May 31 Registration Opens

Tuesday, June 1 1: Status Reports 2: Cooperation & Partnerships 3: Applied Research Reports 4: New Issues

Wednesday, June 2

5: Field Tour Evening Event

Thursday, June 3

6: Border Management & Recreational Pathways
7: Economic & Ecological Impacts: Trends & Predictions
8: Awareness & Education Programs
9: Early Detection & Rapid Response

Friday, June 4 10: EDRR Training Session June 1-4, 2010 National Conservation Training Center Shepherdstown, West Virginia, USA

Sponsored by the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW)

with participation from:

CANADA Agriculture & Agri-Food Canada Canadian Food Inspection Agency

MEXICO UNAM-National University of Mexico

UNITED STATES Invasive Plant Atlas of New England US Bureau of Land Management US Environmental Protection Agency US Fish & Wildlife Service

For a more detailed AGENDA and CALL FOR PAPERS, visit the WAB 2010 website: www.weedcenter.org/wab2010 REGISTRATION INFORMATION WILL BE POSTED SOON

CALL FOR PAPERS

The Weeds Across Borders 2010 Coordinating Committee is now accepting abstracts for oral (paper)

and poster presentations. WAB is an international conference covering the interests of professionals and organizations involved in weed management and regulation. The purpose of the conference is to exchange information on and help promote awareness of the ecological, economic and social impacts of invasive species throughout North America. Continued continental cooperation across jurisdictional borders will greatly facilitate the prevention and control of non-native plants.

The theme of this year's conference is **"Plant Invasions: Policies, Politics, and Practices."** Program session topics include: Cooperation & Partnerships, Applied Research Reports, New Issues, Border Management & Recreational Pathways, Economic & Ecological Impacts: Trends & Predictions, Awareness & Education, and Early Detection & Rapid Response.

The 2010 WAB conference will follow a standard meeting format, therefore, only a limited number of oral presentation abstracts will be accepted. Abstracts will be judged and accepted based on their relevance to North American trans-border issues and the available time. Oral presentations are limited to 15 - 20 minutes. Authors of oral presentations not selected are strongly encouraged by the organizers to present their communication as a poster.

Abstract submission deadline: February 22, 2010 (extended from February 8) Notification date: March 22, 2010

Conference proceedings will be published for WAB 2010. All persons making oral presentations will be REQUIRED to submit a text version of their talk for those proceedings no later than June 1, 2010.

National Conservation Training Center http://training.fws.gov **Contact Info:** Emily Rindos, Center for Invasive Plant Management emily.rindos@montana.edu, (406) 994.7862

Calendar of Events

2010 Weeds Across Borders June 1-4, 2010 Shepherdstown, WV www.weedcenter.org/wab2010

21st Annual Florida Lake Management Society June 14-17, 2010 Crystal River, FL <u>www.flms.net</u>

Society of Wetland Scientists Jun 27-Jul 2, 2010 Salt Lake Society, UT www.sws.org

Aquatic Plant Management Society 50th Annual Meeting July 11-14, 2010 Bonita Springs, FL www.apms.org **95th Meeting of the Ecological Society of America** Aug 1-6, 2010 Pittsburgh, PA www.esa.org

International Symposium North American Lake Management Society Nov 3-5, 2010 Oklahoma City, OK www.nalms.org

Weed Science Society of America Feb 7-10, 2011 Portland, OR <u>www.wssa.net</u>

May Newsletter Deadline September 15, 2010 Send Newsletter Items to: Ryan Wersal E-mail: rwersal@gri.msstate.edu